

## Anti-ASGR1 Antibody (8T265)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	Unconjugated
Clone:	8T265
Purification:	Protein A

## Applications

Verified Activity:	Immunochemical staining of mouse ASGR1 in mouse liver with rabbit monoclonal antibody (1:500, formalin-fixed paraffin embedded sections).
Application:	IHC-P
Recommended	IHC-P: 1:250-1:1000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Mouse ASGPR1 / ASGR1 protein (TMPY-00671)
Antigen Species:	Mouse
Synonyms:	ASGPR1;HL-1;ASGPR;CLEC4H1;asialoglycoprotein receptor 1

## Research Background

The asialoglycoprotein receptor (ASGPR), an endocytotic cell surface receptor expressed by hepatocytes, is triggered by triantennary binding to galactose residues of macromolecules such as asialoorosomuroid (ASOR). ASGPR belongs to the long-form subfamily of the C-type/Ca<sup>2+</sup> dependent lectin family. It is a complex of two noncovalently-linked and highly homologous subunits, a major 42 kDa glycoprotein ASGPR1(MHL-1) and a minor 51 kDa glycoprotein ASGR2 (MHL-2). ASGPR1 is synthesized as a type II transmembrane protein that contains a cytosolic N-terminal domain, a single transmembrane segment, and an extracellular domain which contains two important structural regions. The first is a stalk domain that contributes to noncovalent oligomerization, and the second is a Ca<sup>2+</sup>-dependent carbohydrate binding domain at the very C-terminus that is unusually stabilized by three ions. The research regarded that ASGPR1 could be targeted for anti- hepatitis B virus (HBV) drug development.

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